

FAIR & OPEN

TRAINING

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Cambridge
Dictionary : fair



“

What you expect
What you deserve ”

FAIR principles

what do you think they mean ?

Findable:

Accessible:

Interoperable:

Reusable:



FAIR principles

what do you think they mean ?



Findable:

Shared in a findable platform
Human and Machine findable
Linked to metadata

Accessible:

Interoperable:

Reusable:



FAIR principles

what do you think they mean ?



Findable:



Accessible:

How to access (Download and use)

License or clear policy;

Authentication (when necessary)

Interoperable:

Reusable:



FAIR principles

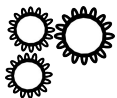
what do you think they mean ?



Findable:



Accessible:



Interoperable:

Integrated data

Interoperable in different resources

Ideally general format compatible with many resources.

Reusable:



FAIR principles

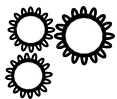
what do you think they mean ?



Findable:



Accessible:



Interoperable:



Reusable:

Can be used/shared

Can be manipulated/processed

Can be analysed

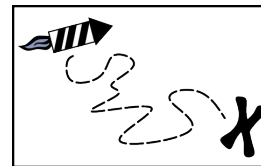


as a whole
or partially

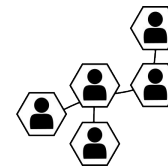


WHY TO GO FAIR ?

Improve access to all kinds of data;
Training material included



Framework for consistent sharing



Best practice with the community



Recognition of time and effort



FAIR principles

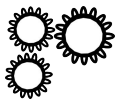
How do you translate for the TRAINING MATERIAL context?



Findable:



Accessible:



Interoperable:



Reusable:



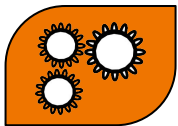


FINDABLE

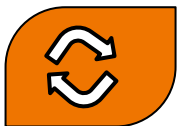
- Registered training
- Assign Unique persistent ID
- Keep in findable platforms
- Use schemas for machine findability



ACCESSIBLE



INTEROPERABLE



REUSABLE



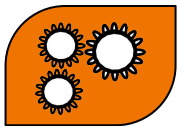
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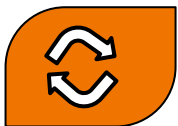


ACCESSIBLE

- Define access rules
- Annotate your training materia
- Make metadata available



INTEROPERABLE



REUSABLE



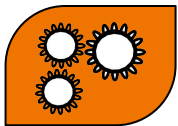
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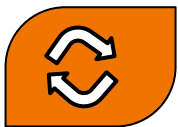
ACCESSIBLE

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INTEROPERABLE

- Can be used in different OS
- Possibility to edit and re-use
- Integrate in other resources



REUSABLE



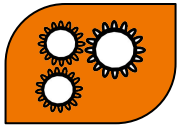
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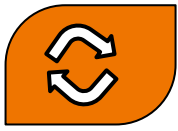
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INTEROPERABLE

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REUSABLE

- Can be used/shared
- Can be modified



as a whole or partially

10 RULES FOR FAIR TRAINING



main goal



HOW DO I SHARE

 Make it findable



HOW DO I SHARE



Make it findable

2

Describe properly

- Standard metadata annotation

Key words



Audience



Schemas.org



HOW DO I SHARE



Make it findable

2

Describe properly

- Standard metadata annotation

Key words



Audience



flaticon.com

Schemas.org



By Three Musketeers - Freepik

3

Give unique ID

- Unique & Persistent (PID)

DOI 

(digital object identifier)

ORCID 

(open research and contributor ID)

PURL

(persistent uniform resource locator)

HOW DO I SHARE



Make it findable

2

Describe properly

- Standard metadata annotation

Key words



Audience



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4

Describe properly



- Events
- Material
- Learning paths

HOW DO I SHARE



Make it accessible



5 Define access rules

HOW DO I SHARE



Make it accessible

5

Define access rules



- License
- Clear policy
- Statement of use



- Request
- Authentication
- Paid



- Documentation
- Metadata
- Statement of accessibility

10 RULES FOR FAIRS TRAINING



Make it interoperable



1 Share

interoperable



6 Use interoperable
format

HOW DO I SHARE



Make it interoperable

6

Mind the Format

- Used in different contexts
- (Re)-use
 - Fine-tune
 - Extend
 - Edit
- Text material
- Presentations
- Videos
- Others

HOW DO I SHARE

 **Make it Reusable**



HOW DO I SHARE



Make it Reusable

7 / 8

Make reusable



License specifications for (re)-use



- Annotations
- Learning outcomes
- Prerequisites
- etc...



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Annotation of:

- Audience
- Level
- Prerequisites
- Key words
- Version
- Authors
- Etc ...



Annotate your slides

- Slides need to be understandable without your presence

HOW DO I SHARE



Make it Reusable

7 / 8

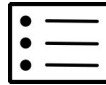
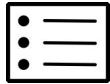
Make reusable



License specifications for (re)-use

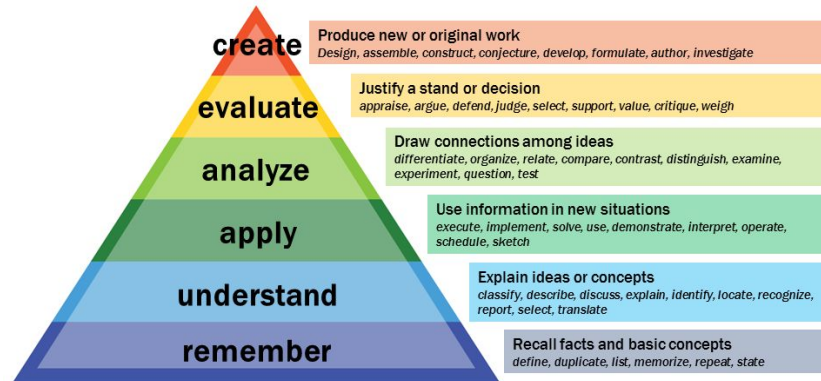


- Annotations
- Learning outcomes
- Prerequisites
- etc...



Include the Learning outcomes

Bloom's Taxonomy



Vanderbilt University Center for Teaching

HOW DO I SHARE



Make it Reusable

7 / 8

Make reusable



License specifications for (re)-use



- Annotations
- Learning outcomes
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- etc...

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Welcome contributions



Collaboration file



GitHub as
collaborative tools



Acknowledgments &
recognitions

HOW DO I SHARE



Make it Reusable

7 / 8

Make reusable



License specifications for (re)-use



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- Annotations
- Learning outcomes
- Prerequisites
- etc...

9

Welcome contributions



Collaboration file



GitHub as
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10

Keep up to date



- Trends
- Features
- Resources version
- Etc ...

All that is FAIR is OPEN and vice-versa

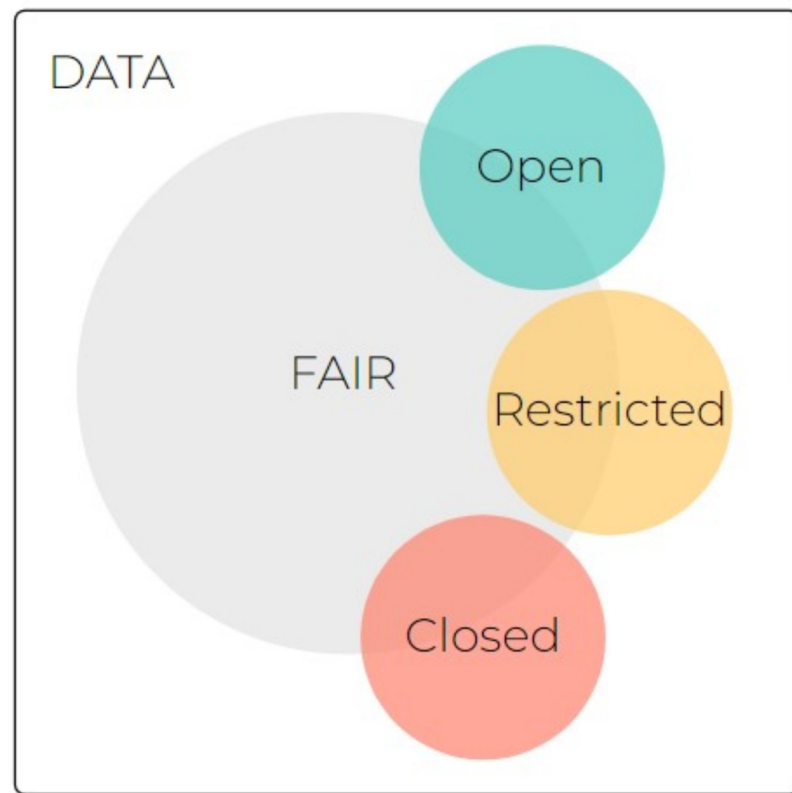


OPEN SCIENCE

- Open and transparent access broad public
- Aiming reproducibility and re-use



NO





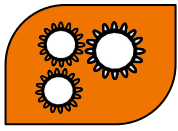
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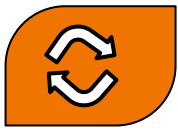
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REUSABLE

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Define access rules



- License
- Clear policy
- Statement of use



- Request
- Authentication
- Paid



RULES



“ as open as possible and
as close as necessary. ”

- Author unknown-

COURSE PROJECT: Create a FAIR 5 min training material

Your training challenges for the next sessions:

- **Final goal:**

- Creating a FAIR material
- Creating a 2 min course on a topic of your choice
- Peaching this FAIR course material in the end of the course
 - 2 min to peach the course
 - 3 min to peach how you have achieved being FAIR
 - Show where you host the material

- **Your course should have by the end of the workshop:**

- Documentation for training
- Annotation of training material
- Choosing a hosting system for the material
- Defining Authorship
- Including illustration
- Make a FAIR video
- Annotate metadata
- Giving unique identifiers

LET'S GET STARTED

